

# Weekly Report

2015/12/28-2016/01/03

## 1 Done

### 1.1 Project (Spatio-temporal Hash):

1.1.1 Do data preprocessing (taxi data and cell data).

1.1.2 Have several discussions about how to encode.

### 1.2 Project (Global Network Visualization):

1.1.1 Complete the optimization of logical the layout and the bubble layout.

1.1.2 Find out that there are two-way edges in their data (they have told us that no such edge) which means we have to do some modification.

### 1.3 Reading:

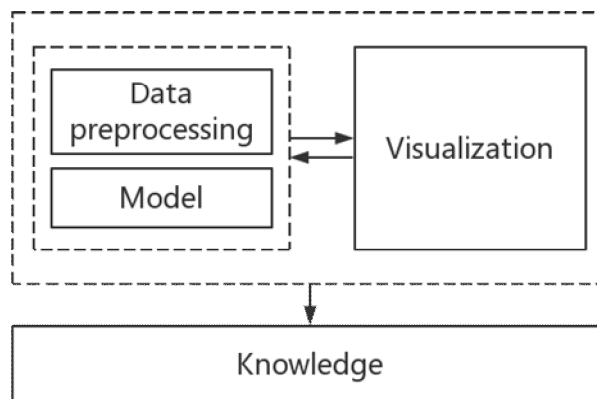
Challenges of Visual Analysis: scalability (integration), heterogeneous data (structure), analytic provenance, opportunistic analysis, sense making (multiple displays).

Data preprocessing (with visualization): cleaning, integration (shared attributes or schema mapping), fusion (potentially connected), transformation (reformatting, extraction, conversion etc.).

Model (with visualization): training (black box manner and white box manner), selection and validation.

### 1.4 Paper

1.4.1 Discuss about whole framework with senior



## 2 To do

2.1 Encode the preprocessed data.

2.2 Draw the edges between the bubble after completion of the interface.

2.3 Keep on reading papers and write outline as soon as possible.